

IN THE CLAIMS

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please **CANCEL** claims 1-5, 7, 9, 10, and 14-20 as follows.

Please **AMEND** claims 6, 8, and 11-13 as follows.

1-5 (CANCELLED)

6. (CURRENTLY AMENDED) A process of user authentication, comprising:
executing a web browser processing a protected web page received from the network;
storing on an integrated circuit card a certificate to access the protected web page and
characteristic identifying information of a user associated with the received protected web page;
reading by an integrated circuit card reader the integrated circuit, in response to receipt
of the protected web page by the web browser;
 comparing identifying information input ~~by a~~ by the user with the characteristic identifying
 information of the user stored in the integrated circuit card ~~a storage medium storing~~
~~authentication information for applications; and~~
in response to the comparing, providing the certificate stored on the integrated circuit
card to the web browser to access the received protected web page. ~~setting in one of the~~
~~applications selected by the user the authentication information the storage medium sends~~
~~responsive to a result of the comparison, as input information for authentication by the one~~
~~selected application~~

7. (CANCELLED)

8. (CURRENTLY AMENDED) ~~A storage medium~~ An integrated circuit card storing ~~an authentication information~~ used to authenticate a user, comprising:

an interface unit exchanging information with an external device;

a memory unit storing certificates to access protected web pages processed by the external device;

a memory unit storing characteristic identifying information of a user associated with the protected web pages received by the external device for applications, the authentication information corresponding to the applications and characteristic identifying information;

a comparing unit comparing identifying information received from the external device with the stored characteristic identifying information of the user; and

a processing unit supplying ~~the authentication information for applications~~ one of the certificates to the external device to access a corresponding one of the protected web pages received by the external device, in response to a result of the ~~comparison~~ comparing.

9-10 (CANCELLED)

11. (CURRENTLY AMENDED) A user authentication apparatus computer system, comprising:

a computer, comprising:

an integrated circuit card reader, and

a programmed computer processor communicating with a network and executing a web browser processing a protected web page received from the network; and

an integrated circuit card read by the integrated circuit card reader and storing a certificate to access the protected web page and characteristic identifying information of a user associated with the web page, and storing at least one program performing a process comprising:

a control unit controlling comparison of comparing identifying information input by the user with the user characteristic identifying information stored on the integrated circuit card, and stored in a storage medium storing authentication information for applications corresponding to the characteristic identifying information; and

in response to the comparing, providing the stored certificate to the web browser to access the received protected web page

a set unit setting in one of the applications selected by the user the authentication information the storage medium sends responsive to a result of the comparison to the set unit, as input information for authentication by the one selected application, wherein the control unit further comprises:

a providing unit providing the identifying information input by the user to the storage medium; and

a receiving unit receiving the result of the comparison the storage medium sends responsive to the result of the comparison; and wherein the storage medium further comprises a comparing unit comparing the input identifying information provided to the storage medium with the characteristic identifying information stored in the storage medium.

12. (CURRENTLY AMENDED) The ~~apparatus~~computer system of claim 11, wherein the computer further comprises~~comprising~~: a display unit ~~displaying and the integrated circuit card program further performs~~:

displaying on the display unit selectable names of protected applications as protected web pages, if a result of the comparing of the user identifying information application names as a selection items if the result of the comparison is matching; and

a selecting unit controlling selection of one of the applications~~the providing of the stored certificate comprises providing one of a plurality of certificates stored on the integrated circuit card and corresponding to a selected one of the protected applications by the user to the web browser by the user, wherein the set unit sets the authentication information of the selected application as input information to access the selected protected application for authentication.~~

13. (CURRENTLY AMENDED) The ~~apparatus~~computer system of claim 12, further comprising:

a requesting unit requesting from the storage medium to send~~wherein the integrated circuit card stores information about the protected applications and the selectable names of the protected applications are provided to be displayed on the display unit, if the result of the comparing of the user identifying information is matching, wherein the display controlling unit displays as the selection items the information received from the storage medium about the applications in response to the request.~~

14-20 (CANCELLED)